Welcome to Utah

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Office of Tourism Message

http://www.youtube.com/watch?v=QIKOcyf915M

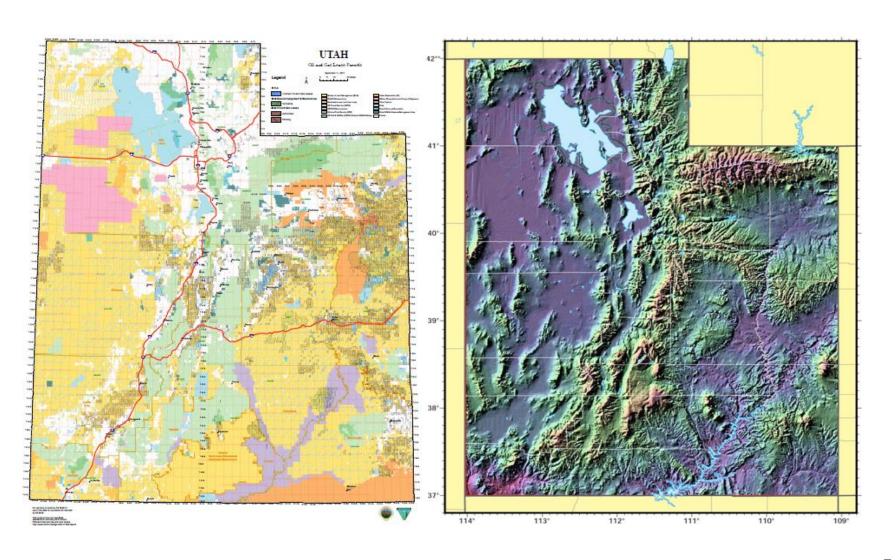
Persistent Cold-Pool Inversions



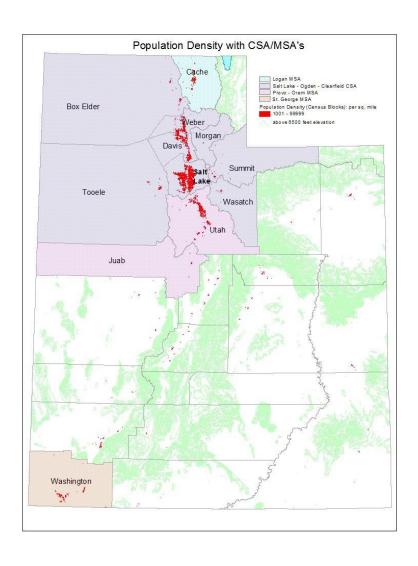
Utah experiences good air quality 95% of the time, on about 5% of days on average we exceed current federal health standards



Land Ownership and Topography



Concentrated Population Centers



Non-attainment and Maintenance

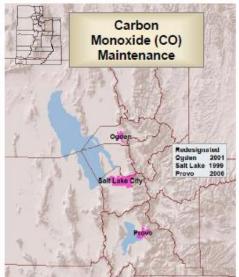
Areas

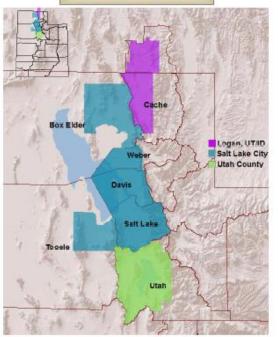


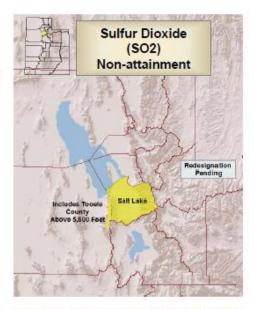
State of Utah National Ambient Air Quality Standards

Areas of Non-attainment and Maintenance (Updated March 2010)

> Fine Particulate (PM2.5) Non-attainment

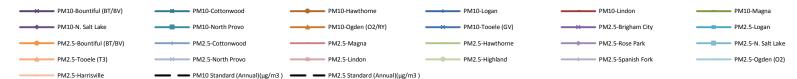


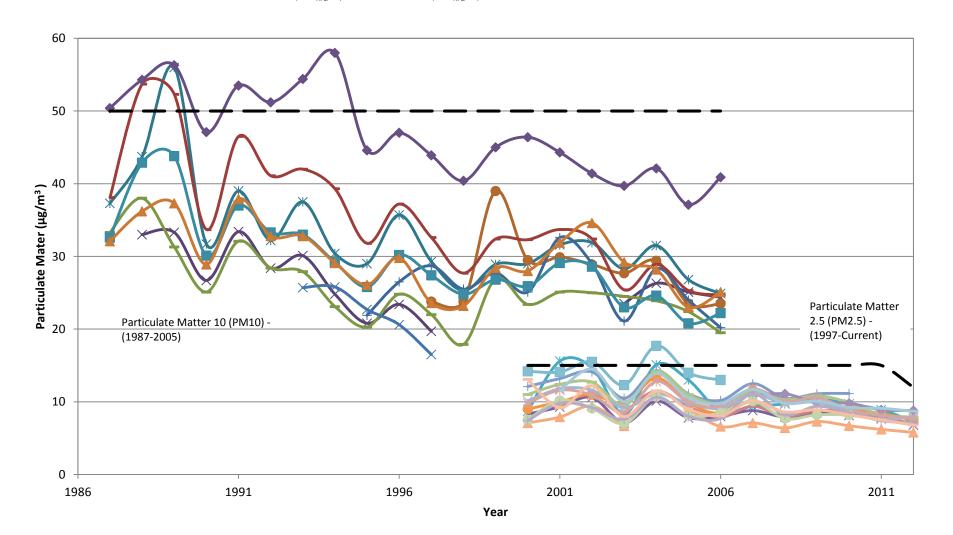




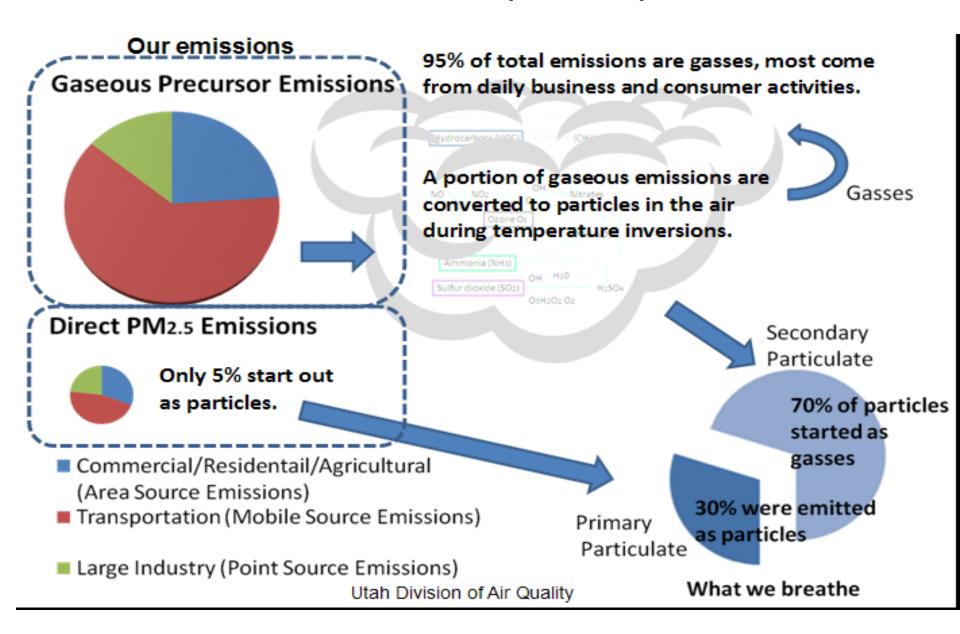


Particulate Matter (PM) Standards - Annual





Winter Particulate (PM2.5) Formation

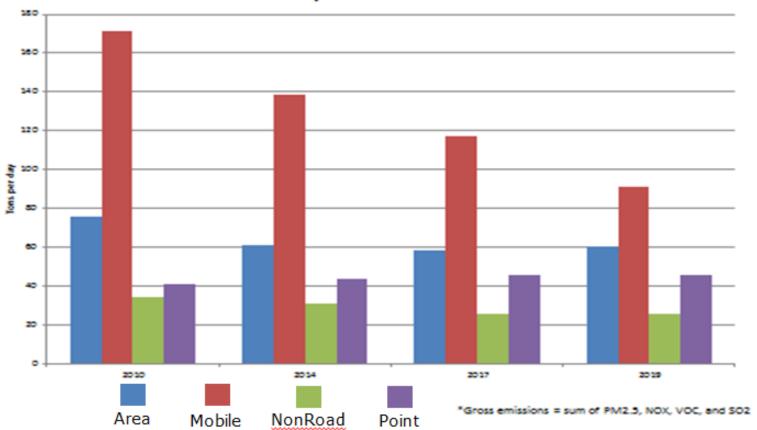


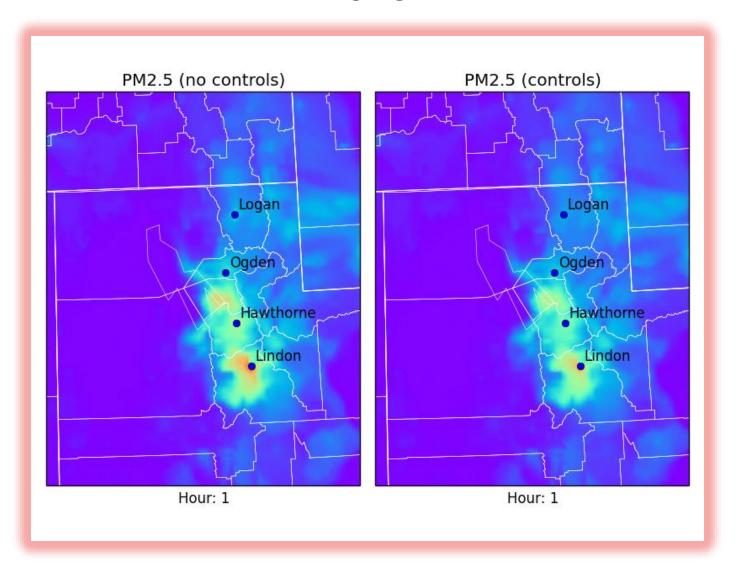
Emission Trends by Source Category

Through the SIP Planning Window

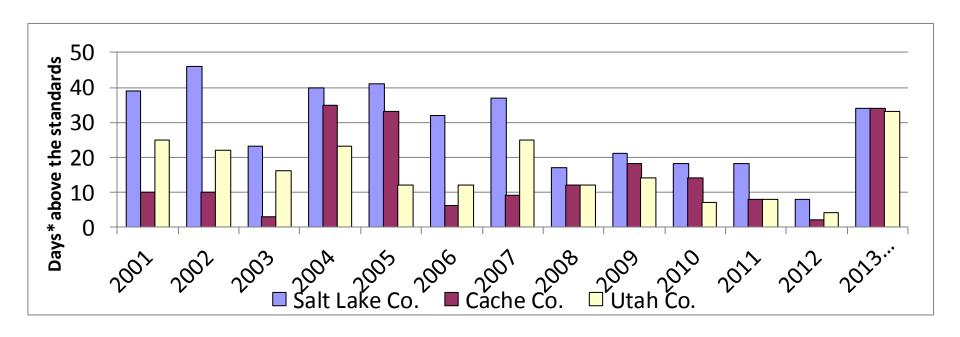
2019 daily emissions are 99.7 TPD lower than 2010

Emissions by Source -- Salt Lake NAA





Number of Days That Are and Those That Would Have Been Above the Current Federal Standards Salt Lake, Cache, and Utah County Areas



^{*} Days with monitored values above the level of the *current* National Ambient Air Quality Standards combined for PM2.5 and ozone (PM2.5 standard revised in 2006, ozone standard revised in 2008)

^{** 2013} includes values that have not completed Quality Assurance

Background Ozone

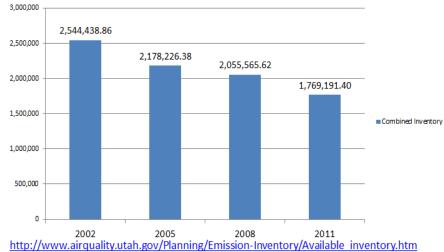




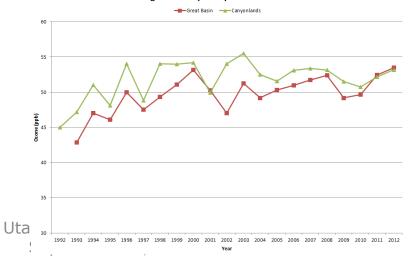
Fig. 7. Annual 4th-highest value of North American background ozone (PRB) calculated in GEOS-Chem as daily 8-h max and averaged for 2006-2008.

Zhang et al., 2011

Statewide Emissions



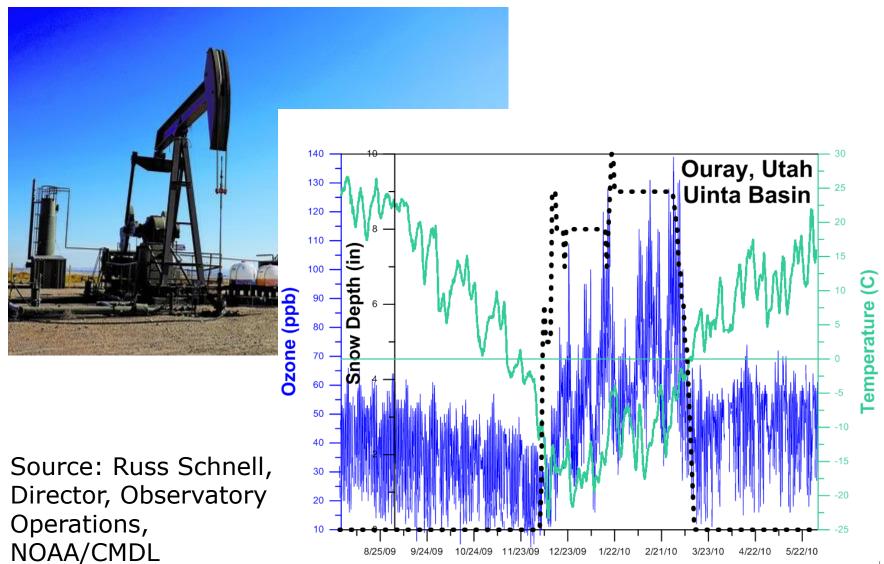
Average Ozone April-September 1992-2012







Uinta Basin Winter Ozone



Date